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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/576,235	04/14/2006	Masato Hatanaka	075834.00593	7207
33448 7590 07/10/2007 ROBERT J. DEPKE LEWIS T. STEADMAN ROCKEY, DEPKE & LYONS, LLC SUITE 5450 SEARS TOWER CHICAGO, IL 60606-6306			EXAMINER DUNN, DANIELLE N	
			ART UNIT 2875	PAPER NUMBER
			MAIL DATE 07/10/2007	DELIVERY MODE PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

## Office Action Summary

Application No.

10/576,235

Applicant(s)

HATANAKA ET AL.

Examiner

Danielle Dunn

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 2 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 08 June 2007.
- 2a) ☐ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☒ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-92 is/are pending in the application.
- 4a) Of the above claim(s) 1-32 is/are withdrawn from consideration.
- 5) ☒ Claim(s) 33-42, 44-51, 52-57, 59-66, 68-83, and 85-92 is/are allowed.
- 6) ☐ Claim(s) \_\_\_\_\_ is/are rejected.
- 7) ☒ Claim(s) 43, 52, 58, 67 and 84 is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 14 April 2006 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some \* c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☒ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- ☒ Notice of References Cited (PTO-892)
- ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- ☐ Information Disclosure Statement(s) (PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_
- ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_
- ☐ Notice of Informal Patent Application
- ☐ Other: \_\_\_\_\_

## **DETAILED ACTION**

### ***Election/Restrictions***

1. Claims 1-32 are withdrawn from further consideration pursuant to 37 CFR 1.142(b), as being drawn to a nonelected invention, there being no allowable generic or linking claim. Applicant timely traversed the restriction (election) requirement in the reply filed on 6/08/2007.
2. Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a request under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).
3. Claims 33-92 are still pending in this application.

### ***Priority***

4. Acknowledgment is made of applicant's claim for foreign priority under 35 U.S.C. 119(a)-(d).

### ***Information Disclosure Statement***

5. The information disclosure statement (IDS) submitted on 4/14/2006 is in compliance with the provisions of 37 CFR 1.97. Accordingly, the information disclosure statement is being considered by the examiner.

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6. The information disclosure statement filed 2/26/2007 fails to comply with 37 CFR 1.98(a)(3) because it does not include a concise explanation of the relevance (in regards to JP 200-514949), as it is presently understood by the individual designated in 37 CFR 1.56(c) most knowledgeable about the content of the information, of each patent listed that is not in the English language. It has been placed in the application file, but the information referred to therein has not been considered.

### ***Claim Objections***

7. Claim 43 is objected to because of the following informalities: Claim language on page 27 lines 12-20 is repeated on page 27, line 21 thru page 28, line 5. Appropriate correction is required.

8. Claims 52, 67 and 84 are objected to because of the following informalities: The phrase "in case" on line 2 of the claims need to be omitted. Appropriate correction is required.

9. Claim 58 is objected to because of the following informalities: A word such as "and", "or", or "with" appears to be omitted from line 4 of claim 58 in between the words "light radiating surface" and "a light reflecting surface". Appropriate correction is required.

***Allowable Subject Matter***

10. The following is a statement of reasons for the indication of allowable subject matter: The prior art does not suggest or disclose the claimed limitations or the combined functions of the claimed invention as a whole.

11. In regards to claim 33, the prior art also does not suggest or disclose a plurality of illuminating devices provided at a present interval on the light incident surface of the light guide plate with each illumination device containing a first, second, and third light source for radiating three different prime colors including a optical means and a color mixing means for each illumination device.

12. In regards to claim 43, the prior art also does not suggest or disclose a plurality of illuminating devices provided at a present interval on the light incident surface of the light guide plate with each illumination device containing a first, second, and third light source for radiating three different prime colors, a first, second and third lens for refracting the light from the first, second and third light sources, further including two triangular prisms and a dichroic prism.

13. In regards to claim 58, the prior art also does not suggest or disclose a plurality of illuminating devices provided at a present interval on the light incident surface of the light guide plate with each illumination device containing a first, second, third, and fourth light source for radiating three different prime colors with one the third prime color duplicated, a first, second, third, and fourth lens for refracting the light from the first, second and third light sources, further including two triangular prisms, two beam splitter prisms and a wavelength plate between the first and second beam splitter prisms.

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14. In regards to claim 73, the prior art also does not suggest or disclose a plurality of illuminating devices provided at a present interval on the light incident surface of the light guide plate with each illumination device containing a first, second, and third light source for radiating three different prime colors with one the third prime color duplicated, a first, second, and third lens for refracting the light from the first, second and third light sources, further including a first reflecting plate, two beam splitter prisms and an optical plate.

### ***Conclusion***

15. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

US 6,547,400 teach a light guide block, LED light source, and color mixing.

US 2004/0004424 teaches a radiating member, illuminating device, electro-optical device, and electronic device.

US 7,070,281 teach a light source device and projection display.

US 6,220,714 teach an image display apparatus.

US 6,092,901 teach a polarizing illumination device and projection display device.

US 6,224,216 teach a system and method employing LED light sources for a projection display.

US 4,573,766 teach a LED backlight panel.

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16. This application is in condition for allowance except for formal matters described above.

Prosecution on the merits is closed in accordance with the practice under *Ex parte Quayle*, 25 USPQ 74, 453 O.G. 213, (Comm'r Pat. 1935).

A shortened statutory period for reply to this action is set to expire **TWO MONTHS** from the mailing date of this letter.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Danielle Dunn whose telephone number is 571-270-3039. The examiner can normally be reached on M-F 7:30-5:00 with alternate Friday's off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Sandra O'Shea can be reached on 571-272-2378. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

DND  
7/06/07

  
ALI ALAVI  
PRIMARY EXAMINER